

## SCIENCE FRONTIERS

What do the latest breakthroughs in superconducting mean to bus drivers in Peoria? Why should the development of new medical technology change the way we think of our grandchildren?



These are the kinds of questions posed by *Science Frontiers*, the Emmy award winning, hour-long science series on The Learning Channel. Each episode covers a single topic in depth to give us greater insight into the impact of revolutionary scientific advances. This carefully selected anthology probes how breakthroughs influence how we think and communicate, as well as how we live our lives. Episodes such as *Of Big Bangs, Stick Men and Galactic Holes* probe how breakthroughs influence how we think and communicate as well as how we live our lives.

## PROGRAM HIGHLIGHTS

### OF BIG BANGS, STICK MEN AND GALACTIC HOLES

For the last few decades cosmologists – students of the Universe – have had good reason to feel satisfied. They know that the Universe began in a gigantic Big Bang some 15 thousand million years ago, and they are close to finalizing the details of how stars, galaxies and even people and planets have evolved. *Of Big Bangs, Stick Men and Galactic Holes* goes to the tops of mountains, out into space and to the quietest place on Earth to ask if, far from being close to completion, the cosmological jigsaw is now in danger of being broken apart.

### DEAD MEN TALK

Dead men tell more than just tales in this exploration of scientific techniques for dating fossils. In fact, what scientists are learning from our dead ancestors is revolutionizing our theories on the evolution of the human race. This program shows that as our method of reading the traces of the past grows more efficient, our supposed knowledge becomes simultaneously more tenuous and more accurate.

### UNRAVELLING THE UNIVERSE

The greatest scientific minds in the world grow silent when it comes to reconciling relativity and quantum theory. But reconciliation may be close at hand, thanks to a new cosmological theory, known as the "superstrings" theory. This episode will attempt to explain superstrings in a way we can understand, as well as exploring methods for visualizing scientific abstraction.



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## TEACHER TV

*Teacher TV* is an energetic, upbeat, magazine-style show, shot on location in schools across the country



featuring candid profiles of teachers, schools and communities daring to challenge the status quo. It's a place for educators to share techniques, ideas and resources, created with

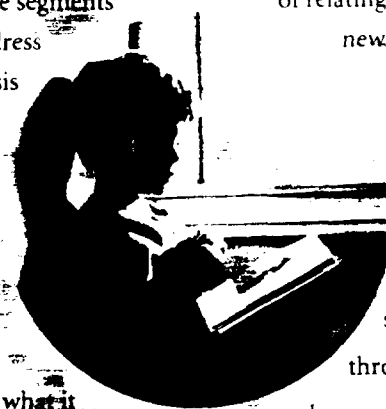
input from thousands of educators. Produced by the two-million-member National Education Association and The Learning Channel, *Teacher TV* is television's only national program for, by and about teachers.

*Teacher TV* offers practical advice for teachers, parents and the entire community. Go into the classroom with a 22-year-old student-teacher about to teach his very first class. Visit a school that uses interactive videodiscs to teach ninth-grade chemistry to sixth graders. And listen to teachers who've won the Christa McAuliffe Award explain how they use technology to enhance their teaching. Do all this and more on *Teacher TV*, the continuing half-hour series on The Learning Channel.

## PROGRAM HIGHLIGHTS

### TEACHER PRESENTATION

In the next five to ten years, nearly half of America's teachers will retire. Who will teach America? The three segments of this episode address an educational crisis and show some unorthodox methods for training our future teachers. In the first segment, we'll go into a classroom to learn what it takes to become a teacher. In the second segment, we'll examine an innovative five-year training program in Maine. And the third segment will take us to Switzerland, where we'll have an opportunity to see how some of Europe's best teachers ply their trade.



cost? This episode examines what the extra pressure means to our educational system, as well as how teachers are rising to the challenge of relating to their students in new ways.

### DESIGN A SCHOOL

*Teacher TV* explores three schools that have thrown out the manual

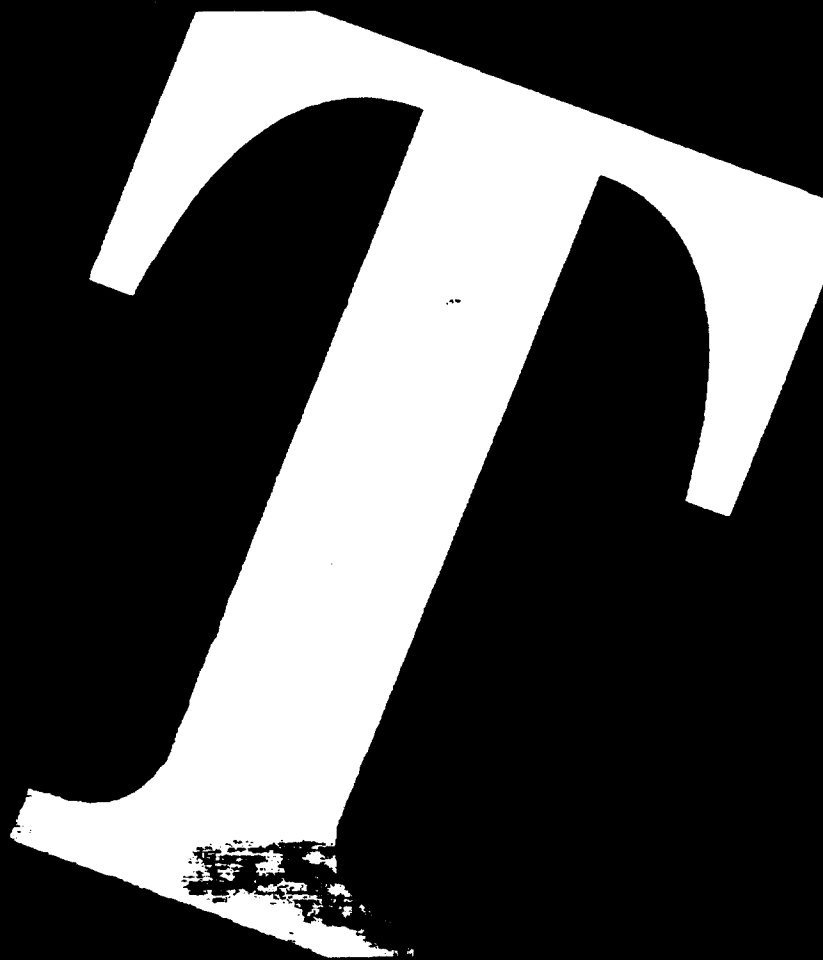
and are redesigning themselves. We'll go on location to Indianapolis, Indiana, upstate New York, and Austin, Texas. We'll meet the teachers, parents and students who are revolutionizing the way schools are designed and run. And we'll look at the difficult lessons they're learning in the process.



### THE CHANGING ROLE OF SCHOOLS

With broken families on the rise and social community services on the decline, schools and teachers are often left to take on the roles of psychiatrist, social worker, counselor, and even father and mother. But at what

A WORLD OF IDEAS



TEACHER TV

Teacher

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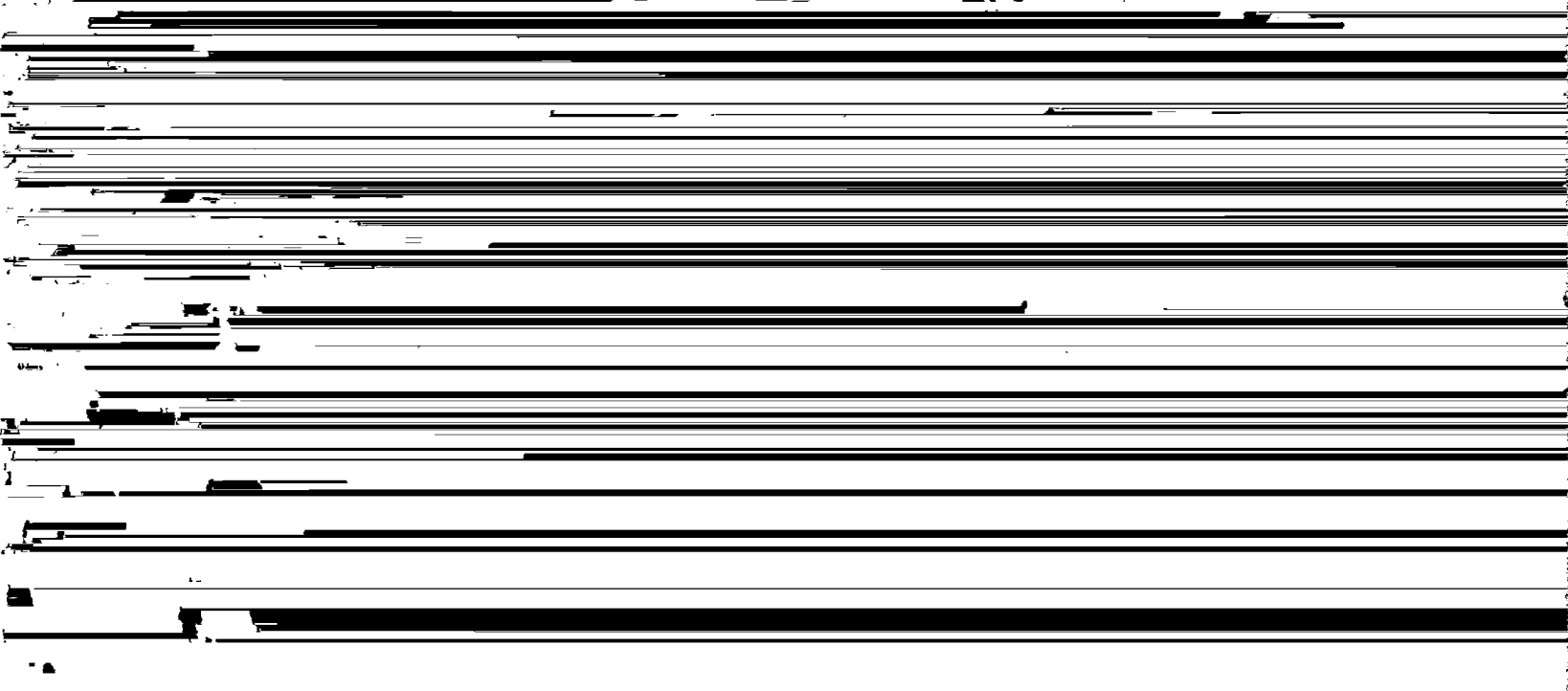
A WORLD OF IDEAS





A WORLD OF IDEAS

WEEKEND



# A WORLD OF IDEAS

## WEEKEND

### HOMETIME

How about a home improvement show for real people? How about ***Hometime***, the returning half-hour series on The Learning Channel. "We only tackle projects that the average homeowner can do himself or herself," says host Dean Johnson. "We take on the role of a homeowner facing a home



improvement project."

Viewers have watched Johnson and his co-hosts install underground sprinkler systems, design children's timber playsets, and build an outdoor deck. The projects may

range from simple to challenging, but in every case ***Hometime*** explains them so that homeowners can understand and implement them on their own.

***Hometime*** has received tremendous attention from magazines and newspapers, helping to build a loyal base of popular support among homeowners hungry for home improvement information relevant to their homes and their lives.

## PROGRAM HIGHLIGHTS

### FURNITURE REFINISHING

How do you turn a broken-down piece of junk into an attractive and valuable antique? You'll find out on this episode of ***Hometime***. Using various techniques and materials, Dean Johnson takes the fear - and difficulty - out of furniture refinishing.

### PATIOS AND WALKWAYS

When your old sidewalk starts to crack and crumble, is it time to move? Not according to Dean Johnson. He'll tell you how to save your sidewalk and your money. You'll also learn how to build a patio using a variety of methods and materials.

### WEATHERIZATION AND INSULATION

How can you save energy and lower your heating costs without freezing to death? ***Hometime*** focuses on making your home weather-tight and installing permanent energy-saving improvements.

### HAND AND POWER TOOLS

What tools do you need to begin your own home workshop? Johnson recommends the best hand and power tools to start with and how to use them safely and efficiently.



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THE WORLD:  
A TELEVISION  
HISTORY



THE LEARNING  
CHANNEL

